SETTLEABLE SOLIDS **SM 2540 F-1997 (2011)**

ADDITIONAL QC REQUIREMENTS FOR THIS METHOD: Certified or Accredited laboratories using this method are assessed to applicable requirements of SM 1020 and SM 2020.

Facility Name:_____VELAP ID_____

Assessor Name:_____ Analyst Name:_____ Inspection Date_____

Relevant Aspect of Standards	Method Reference	Y	N	N/A	Comments
Records Examined: SOP Number/ Revision/ Date _____ Analyst:_____ Sample ID: _____ Date of Sample Preparation:_____ Date of Analysis:_____					
Volumetric method:					
1) Did lab use Imhoff cones?	2				
2) Did the laboratory allow 1 liter of well-mixed sample to settle 45 minutes, agitate the cone sides with a rod or by spinning, and allow the sample to settle for 15 additional minutes?	3.a				
3) If the settled matter contains pockets of liquid between large settled particles, were the volumes of these estimated and subtracted from the volume of settled solids?	3.a				
Gravimetric Method:					
4) Were the glass vessels used in the gravimetric method not less than 9 cm in diameter, and sample not less than 1 liter? *("Alternatively use a glass vessel of greater diameter and a larger volume of sample.")*	2, 3.b.2				
5) Were the samples poured into the glass vessels to a depth of 20 cm?	3.b.2				
6) Were samples allowed to settle for 1 hour?	3.b.2				
7) Were 250 mL volumes of the supernatants of samples siphoned off from the center of the container at a point halfway between the surface of the settled material and the liquid surface?	3.b.2				
8) Were the total suspended solids of the 250 mL supernatant determined according to 2540D to serve as the nonsettleable solids?	3.b.2				
9) Were the settleable solids calculated by subtracting mg of nonsettleable solids from the mg total suspended solids of the samples?	4				
Notes/ Comments:					